

STATE OF MINNESOTA

DEPARTMENT MN POLLUTION CONTROL AGENCY*Burr*  
**Office Memorandum**

TO : WORKING COMMITTEE  
St. Louis Park Ground Water Problem

DATE: March 6, 1979

8 MAR 1979

FROM : *Richie*  
Lovell E. Richie  
Deputy Executive Director

PHONE: (612) 296-7303

SUBJECT: MEETING OF THE WORKING COMMITTEE

US EPA RECORDS CENTER REGION 5



515223

I have prepared the attached agenda for your consideration  
at the meeting on March 13, 1979.

Please note that the meeting is at the Minnesota Pollution  
Control Agency in the Basement Conference Room beginning at  
9:30 a.m.

LER/mjt

Enclosure

P R O P O S E D     A G E N D A

WORKING COMMITTEE  
St. Louis Park Ground Water Problems

March 13, 1979

Minnesota Pollution Control Agency  
Basement Conference Room  
1935 West County Road B2, Roseville, Minnesota

9:30 a.m.

- I. Review of Agenda
- II. Status Report on Construction of  
Louisiana Avenue (Richard Koppy)
- III. Review of Action taken by St. Louis Park  
City Council regarding:
  - a. development of the site
  - b. funding for well abandonment
  - c. other relative city council actions  
(Richard Koppy)
- IV. Status Report by Minnesota Department of  
Health on Legislative appropriations to  
date and funding plans for the balance  
of studies (Dave Giese)
- V. Discussion of Report by U. S. Geological  
Survey on well locations and configurations
  - a. Comments by members (all)
  - b. Follow-up actions by Minnesota  
Department of Health on well  
abandonment recommendations (Dave Giese)
- VI. Review of study indicating ongoing studies,  
studies needed, timing, target dates for  
completion, and development of a PERT  
chart listing tasks, funding decisions,  
completion dates, etc. (Dale Wikre)

DEPARTMENT MN POLLUTION CO

OL AGENCY

22 MAY 1979

Office Memorandum *KI*  
*FYB Peter*

TO : Members  
Working Committee on St. Louis Park  
Ground Water Problem

DATE: May 17, 1979

FROM : Lovell E. Richie *Rich*  
Senior Executive Officer

PHONE: 296-7339

SUBJECT: MEETING OF THE WORKING COMMITTEE

I have prepared the attached agenda for your consideration at the meeting on May 22, 1979.

Please note that the meeting will begin at 9:30 a.m. in the Basement Conference Room of the Minnesota Pollution Control Agency offices.

I will be unable to attend due to a legislative obligation, and I have asked Dale Wikre to serve as my alternate in chairing the meeting and to prepare the minutes.

LER/mjt  
Enclosure

## A G E N D A

### WORKING COMMITTEE ST. LOUIS PARK GROUND WATER PROBLEM

MINNESOTA POLLUTION CONTROL AGENCY OFFICES  
9:30 a.m. May 22, 1979  
Basement Conference Room  
Roseville, Minnesota

9:30 a.m.

I. Agenda Review

II. Review of Minutes - April 17, 1979 meeting

III. Status of funding - Health Department

IV. Status of well abandonment

A. On-site Hinkley well - City of St. Louis

B. Total well program - Health Department

V. Status of Water Treatment Pilot Project  
(carbon filtration) - City of St. Louis Park

VI. Subcommittee on projects

A. Chairmanship change - assignment to  
Health Department from PCA

B. Membership changes - James Kinsey and  
Rick Ferguson to assist Dale Wikre

C. Role of the Subcommittee in Drafting  
of Requests for Proposals for State  
Funded Studies

D. Role of Working Committee (or a sub-  
committee) in the selection of  
consultant(s)

12 noon

VII. Adjourn

DEPARTMENT MN POLLUTION CONTROL AGENCY

Office Memorandum

TO : Members  
Working Committee on St. Louis Park  
Ground Water Problem

AUG 27 1979

DATE: August 24, 1979

FROM : Lovell E. Richie  
Senior Executive Officer

*Marilyn for*

PHONE: 296-7339

SUBJECT: MEETING OF WORKING COMMITTEE

I have prepared the enclosed proposed agenda for your consideration at the meeting on August 29, 1979.

Please note that the meeting is at 9:30 a.m. at the Minnesota Pollution Control Agency offices in the Basement Conference Room.

Enclosed also are draft minutes of the July 31 meeting.

LER/mt

Enclosures

PROPOSED AGENDA

Working Committee on St. Louis Park  
Ground Water Problem

Minnesota Pollution Control Agency Offices  
Roseville, Minnesota

9:30 a.m., August 29, 1979  
Basement Conference Room

- I. Agenda Review
- II. Review and approve minutes of last meeting
- III. Status Report on well abandonment
- IV. Status Report on carbon absorption
- V. Discussion of road projects
- VI. Discussion of proposed RFPs
- VII. Status of subcommittee activities

Draft Minutes  
Working Committee  
St. Louis Park Ground Water Problems

July 31, 1979

The seventh meeting of the committee was held in the St. Louis Park City Offices on July 31, 1979. Members present were:

Donald Albin	USGS	725-7841
Roger De Roos	Minn. Dept. of Health	296-5320
Richard Koppy	Director of Public Works-SLP	920-3000
Lovell Richie	MPCA	296-7339
Dudley Moylan	HRA - St. Louis Park	335-9331

Others present were:

David Gray	Minn. Dept. of Health	296-5352
Ed Ross	Minn. Dept. of Health	296-5358
Stephen Shakman	AG-MPCA	296-7703
William Donohue	AG-MPCA	296-7345
Rick Ferguson	MPCA	296-7258
Marc Hult	USGS	725-7841
Bob Strauss	Izaak Walton League	339-7531
Karen Theisen	U. S. EPA	(312) 353-2151

Item I - Comments on the Minutes of the Last Meeting

At the June 19, 1979 Working Committee meeting, David Gray expressed the subcommittees' intent to prepare work scope guidance documents on all studies other than the USGS study. At today's meeting, Don Albin stated that the USGS study should be included in the work scope documents. David Gray indicated that the work scopes would apply only to new work.

Item II - Briefing by the U. S. Geological Survey on the June Draft Report

The following is a summary of the briefing.

A bedrock map based on 3,000 well logs was prepared; this was meshed with the Twin City aquifer study. Potentiometric maps have been prepared for the following bedrock units; Platteville Limestone, St. Peter Sandstone, Prairie du Chien - Jordan Aquifer, and the Mt. Simon - Hinckley Aquifer. The following geologic units have been treated as one flow system; drift, Platteville Limestone, Glenwood Shale, and the St. Peter Sandstone.

The regional ground water flow is from west to east, Minnehaha Creek and the Chain of Lakes do not affect this. Flow through the drift and the Platteville Limestone is horizontal, until it reaches the buried bedrock valley. At the buried valley, there is vertical flow downward, it is not known if this is strong enough to prevent lateral flow. Cores are currently being taken in the buried bedrock valley.

Histograms have been prepared to graphically illustrate the results from the organic analyses. The histograms reveal that the more soluble organic fractions have a relatively high concentration away from the site. The chromatographic separation is due to differences in solubility.

Professor Hans-Olaf Pfannkuch, of the University of Minnesota, is studying the mobility of hydrocarbons in soil.

Phenolic compounds are not good indicators of levels of organic compounds in soil and ground water.

There is a two phase ground water flow due to hydrocarbon contaminants. The initial phase occurs in the first 90 seconds. As the pump starts up, the screen plugs causing drawdown - this requires an increase in head to move the viscous flow. After the first phase is removed, drawdown decreases. When placed in a jar, the pumped liquid separates into two phases. The zone in which the multi-phase flow occurs has an areal extent of 60 to 70 acres.

#### Item III - Status Report on Well Abandonment

See attached sheets.

#### Item IV - Status Report on Subcommittee Progress

The Department of Health is preparing proposed work scopes for the RFP's. Lovell Richie and Roger De Roos suggested that the work scopes be reviewed by the Department of Health and the Pollution Control Agency.

#### Item V - Field Tour of Road Construction and Carbon Absorption Treatment

The city is planning a road construction project that will temporarily complete Louisiana Avenue. The project will cost the city approximately 500,000 dollars, and is expected to provide service for up to five years. The temporary stretch of Louisiana Avenue will pass under Highway Seven at an existing railroad bridge.



The carbon treatment test has been completed. David Gray has not yet thoroughly analyzed the results of the study, however, he did say that the higher of the two dosages appeared to be more effective.

The next meeting will be held August 29, 1979, at 9:30 a.m. in the basement conference room at the MPCA.

DEPARTMENT POLLUTION CONTROL AGENCY*Office Memorandum*

TO : MEMBERS  
Working Committee on St. Louis Park  
Ground Water Problem

DATE: November 15, 1979

FROM : Gordon W. Meyer *Gordon W. Meyer*  
Facilities Section 11/15/79  
Division of Water Quality

PHONE: 6-7218SUBJECT: MEETING OF THE WORKING COMMITTEE

The attached agenda is for your consideration at the next working committee meeting scheduled for November 20, 1979.

Please note that the meeting will begin at 9:00 a.m. and will be held at the St. Louis Park City Hall offices, third floor conference room.

GWM:lmj

Attachment

AGENDA

WORKING COMMITTEE  
ST. LOUIS PARK GROUND WATER PROBLEM

St. Louis Park City Hall Offices  
9:00 A. M. November 20, 1979  
St. Louis Park, Minnesota

- 9:00 I. Review of Agenda
- 9:10 II. Review of Minutes - October 11, 1979 Meeting
- 9:20 III. Discussion of Draft U.S.G.S. Report - M.Hult
- 10:20 IV. Discussion of Evening Meeting in St. Louis Park - R. Koppy
- 10:40 V. Discussion of Louisiana Avenue Extension - R. Koppy
- 11:00 VI. Status Report on R.F.P.'s - R. DeRoos
- VII. Other Topics
- 11:30 VIII. Adjournment